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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
09/937,934	10/01/2001	Chiyoko Matsumi	MTS-3279US	8806

7590 05/26/2005

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EXAMINER

VU, VIET DUY

ART UNIT	PAPER NUMBER
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2154

DATE MAILED: 05/26/2005

Please find below and/or attached an Office communication concerning this application or proceeding.

Office Action Summary

Application No.

09/937,934

Applicant(s)

MATSUMI ET AL.

Examiner

Viet Vu

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-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --
Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If the period for reply specified above is less than thirty (30) days, a reply within the statutory minimum of thirty (30) days will be considered timely.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

- 1) ☒ Responsive to communication(s) filed on 03 January 2005.
- 2a) ☐ This action is **FINAL**. 2b) ☒ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

- 4) ☒ Claim(s) 1-49 is/are pending in the application.
- 4a) Of the above claim(s) 1-12 is/are withdrawn from consideration.
- 5) ☐ Claim(s) _____ is/are allowed.
- 6) ☒ Claim(s) 13-49 is/are rejected.
- 7) ☐ Claim(s) _____ is/are objected to.
- 8) ☒ Claim(s) 1-12 are subject to restriction and/or election requirement.

Application Papers

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☐ The drawing(s) filed on _____ is/are: a) ☐ accepted or b) ☐ objected to by the Examiner.
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

Priority under 35 U.S.C. § 119

- 12) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☐ All b) ☐ Some * c) ☐ None of:
1. ☐ Certified copies of the priority documents have been received.
2. ☐ Certified copies of the priority documents have been received in Application No. _____.
3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).
- * See the attached detailed Office action for a list of the certified copies not received.

Attachment(s)

- 1) ☒ Notice of References Cited (PTO-892)
- 2) ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)
- 3) ☒ Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08)
Paper No(s)/Mail Date 10/1/01.
- 4) ☐ Interview Summary (PTO-413)
Paper No(s)/Mail Date. _____.
- 5) ☐ Notice of Informal Patent Application (PTO-152)
- 6) ☐ Other: _____.

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1. The current title is not descriptive. A new title is required that is clearly indicative of the invention to which the claims are directed.

Applicant is also required to cancel the withdrawn claims 1-12 in the next correspondence.

Art Rejections:

2. The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless -

(e) the invention was described in-

(1) an application for patent, published under section 122(b), by another filed in the United States before the invention by the applicant for patent, except that an international application filed under the treaty defined in section 351(a) shall have the effect under this subsection of a national application published under section 122(b) only if the international application designating the United States was published under Article 21(2)(a) of such treaty in the English language; or

(2) a patent granted on an application for patent by another filed in the United States before the invention by the applicant for patent, except that a patent shall not be deemed filed in the United States for the purposes of this subsection based on the filing of an international application filed under the treaty defined in section 351(a).

3. Claims 13-14 and 17-21 are rejected under 35 U.S.C. 102(e) as being clearly anticipated by Yanagihara, U.S. pat. No. 6,115,531.

Per claims 13-14 and 17, Yanagihara discloses a data transmission system comprising:

- a) a clock for generating time information (see col 8, lines 52-59);
- b) an outputting means for outputting a stream data (see col 7, lines 16-31);
- c) a sending means for dividing the stream data into packets (col 7, lines 47-54);
- d) a transmission managing means for managing the outputting means and said sending means such that the transmission managing means enters said stream data to said sending means based on said the time information (see col 8, line 12 - col 9, line 6).

Per claim 18, it is noted that the time stamps added to the packets are used as start time and end time for the data frames.

Per claims 19-21, it is also noted that Yanagihara's invention is applicable to recording and transmitting digital video/audio data for consumer use.

4. The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:
- (a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person

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having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negated by the manner in which the invention was made.

5. This application currently names joint inventors. In considering patentability of the claims under 35 U.S.C. 103(a), the examiner presumes that the subject matter of the various claims was commonly owned at the time any inventions covered therein were made absent any evidence to the contrary. Applicant is advised of the obligation under 37 CFR 1.56 to point out the inventor and invention dates of each claim that was not commonly owned at the time a later invention was made in order for the examiner to consider the applicability of 35 U.S.C. 103(c) and potential 35 U.S.C. 102(e), (f) or (g) prior art under 35 U.S.C. 103(a).

6. Claims 15-16 and 22-49 are rejected under 35 U.S.C. 103(a) as being unpatentable over Yanagihara.

Per claims 15 and 22-26, Yanagihara discloses a data transmission system as discussed in item 3 above. Yanagihara does not explicitly teach generating time stamps, e.g., start times, based upon frame frequency of the data stream.

It would have been obvious to one of ordinary skill in the art at the time the invention was made to realize such correlation between time stamps and frame frequency because the same reference clock is used in generating the time stamps and the data frames.

Per claim 16, Yanagihara does not teach providing means for adjusting the reference clock. It would have been further obvious to one skilled in the art to utilize such clock

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adjustment because it would have enabled the system to adjust the clock before processing the packets.

Per claims 27-33 and 35, Yanagihara teaches a corresponding decoder for decoding the transmitted packets including extracting time information from the packet header and outputting the time information to the reproduction system for reproducing audio/video signals (see col 13, lines 43-67). Yanagihara does not explicitly teach adding the extracted timing information to the audio/video packets for further processing by the reproduction system.

It would have been obvious to one of ordinary skill in the art at the time the invention was made to utilize any conventional way to convey such timing information to the reproduction system because it would have enabled the reproduction system to use the supplied time stamps to correct time base in the processed signals for correctly reproduction audio/video signals (see col 14, lines 1-25).

Per claim 34, Yanagihara teaches replacing a sync byte with time information (see col 8, lines 60-67).

Per claims 36-37, an official notice is taken that the use of additional information including copyright information in the data packets is well known in the art.

Claims 38-49 are similar in scope as that of claims 22-37.

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Conclusion:

7. The references cited by the examiner on PTO-892 but not relied upon are considered pertinent to applicant's disclosure.

8. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Viet Vu whose telephone number is 571-272-3977. The examiner can normally be reached on Monday through Thursday from 8:00am to 4:00pm.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, John Follansbee, can be reached on 571-272-3964.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).



VIET D. VU
PRIMARY EXAMINER

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5/23/05